

# Table J1b. - Physical Properties of the Soils

Mecklenburg County, Virginia

Entries under "Erosion Factors--T" apply to the entire profile. Entries under "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
AaB:														
Abell	0-12	---	---	5-18	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	1.0-2.0	.28	.28	4	3	86
	12-32	---	---	18-35	1.35-1.55	0.6-2	0.13-0.19	0.0-2.9	0.0-0.5	.28	.28			
	32-52	---	---	30-45	1.35-1.55	0.6-2	0.11-0.17	3.0-5.9	0.0-0.5	.28	.28			
	52-62	---	---	10-27	1.45-1.60	0.6-6	0.08-0.18	0.0-2.9	0.0-0.5	.28	.28			
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AbB:														
Altavista	0-9	---	---	10-24	1.30-1.50	2-6	0.12-0.20	0.0-2.9	0.5-3.0	.24	.24	5	3	86
	9-62	---	---	18-35	1.30-1.50	0.6-2	0.12-0.20	0.0-2.9	0.0-0.5	.24	.24			
deep, well drained soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
poorly drained soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ApB:														
Appling	0-7	---	---	5-20	1.40-1.65	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.24	.28	4	3	86
	7-38	---	---	35-60	1.25-1.45	0.6-2	0.15-0.17	0.0-2.9	0.0-0.5	.28	.28			
	38-48	---	---	20-50	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	48-62	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**Table J1b. - Physical Properties of the Soils - Continued**

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
ApB:														
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ApC:														
Appling	0-7	---	---	5-20	1.40-1.65	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.24	.28	4	3	86
	7-38	---	---	35-60	1.25-1.45	0.6-2	0.15-0.17	0.0-2.9	0.0-0.5	.28	.28			
	38-48	---	---	20-50	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	48-62	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---

ArC:

**Table J1b. - Physical Properties of the Soils - Continued**

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
ArC:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Appling	0-7	---	---	20-35	1.30-1.45	0.6-2	0.12-0.15	0.0-2.9	0.5-1.0	.15	.15	3	5	56
	7-34	---	---	35-60	1.25-1.45	0.6-2	0.15-0.17	0.0-2.9	0.0-0.5	.28	.28			
	34-44	---	---	20-50	1.25-1.45	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28			
	44-62	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BuA:														
Buncombe	0-12	---	---	3-12	1.60-1.75	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.28	.28	5	2	134
	12-44	---	---	3-12	1.60-1.75	6-20	0.03-0.07	0.0-2.9	0.0-0.5	.10	.10			
	44-62	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Toccoa	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CeB:														
Cecil	0-7	---	---	5-20	1.30-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.28	.28	4	3	86
	7-55	---	---	35-70	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.2	.28	.28			
	55-62	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CeC:														

**Table J1b. - Physical Properties of the Soils - Continued**

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
CeC:														
Cecil	0-7	---	---	5-20	1.30-1.50	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.28	.28	4	3	86
	7-55	---	---	35-70	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.2	.28	.28			
	55-62	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CgC:														
Cecil	0-7	---	---	20-35	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.5-1.0	.28	.28	3	5	56
	7-50	---	---	35-70	1.30-1.50	0.6-2	0.13-0.15	0.0-2.9	0.0-0.2	.28	.28			
	50-62	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ChA:														
Chewacla	0-12	---	---	10-35	1.30-1.60	0.6-2	0.15-0.24	0.0-2.9	1.0-4.0	.28	.28	5	5	56
	12-44	---	---	18-35	1.30-1.60	0.6-2	0.12-0.20	0.0-2.9	0.5-2.0	.28	.28			
	44-62	---	---	18-35	1.30-1.50	0.6-2	0.15-0.24	0.0-2.9	0.5-2.0	.32	.32			
Congaree	---	---	---	---	---	---	---	---	---	---	---	---	---	---

# Table J1b. - Physical Properties of the Soils - Continued

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
ChA:														
Wehadkee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CoA:														
Congaree	0-10	---	---	10-25	1.20-1.40	0.6-2	0.12-0.20	0.0-2.9	1.0-4.0	.37	.37	5	6	48
	10-62	---	---	18-35	1.20-1.50	0.6-2	0.12-0.20	0.0-2.9	1.0-3.0	.37	.37			
Chewacla	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toccoa	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CrA:														
Congaree	0-10	---	---	10-25	1.20-1.40	0.6-2	0.12-0.20	0.0-2.9	1.0-4.0	.37	.37	5	6	48
	10-62	---	---	18-35	1.20-1.50	0.6-2	0.12-0.20	0.0-2.9	1.0-3.0	.37	.37			
Chewacla	0-12	---	---	10-35	1.30-1.60	0.6-2	0.15-0.24	0.0-2.9	1.0-4.0	.28	.28	5	5	56
	12-44	---	---	18-35	1.30-1.60	0.6-2	0.12-0.20	0.0-2.9	0.5-2.0	.28	.28			
	44-62	---	---	18-35	1.30-1.50	0.6-2	0.15-0.24	0.0-2.9	0.5-2.0	.32	.32			
Toccoa	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CuB:														
Cullen	0-8	---	---	27-40	1.20-1.50	0.6-2	0.12-0.17	3.0-5.9	0.5-2.0	.24	.24	3	6	48
	8-44	---	---	35-70	1.30-1.60	0.6-2	0.10-0.14	3.0-5.9	0.0-0.5	.24	.24			
	44-62	---	---	30-50	1.30-1.60	0.6-2	0.13-0.17	3.0-5.9	0.0-0.5	.24	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enott	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**Table J1b. - Physical Properties of the Soils - Continued**

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
CuB:														
Georgeville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Herndon	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hiwassee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CuC:														
Cullen	0-8	---	---	27-40	1.20-1.50	0.6-2	0.12-0.17	3.0-5.9	0.5-2.0	.24	.24	3	6	48
	8-44	---	---	35-70	1.30-1.60	0.6-2	0.10-0.14	3.0-5.9	0.0-0.5	.24	.24			
	44-62	---	---	30-50	1.30-1.60	0.6-2	0.13-0.17	3.0-5.9	0.0-0.5	.24	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enott	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hiwassee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---	---	---	---	---	---	---
DAM:														
Dam	---	---	---	---	---	---	---	---	---	---	---	---	---	---
EnB:														
Enott	0-12	---	---	7-27	1.25-1.45	0.6-2	0.15-0.20	0.0-2.9	0.5-2.0	.32	.32	4	5	56
	12-36	---	---	20-59	1.30-1.50	0.6-2	0.12-0.15	6.0-8.9	0.0-0.5	.24	.24			
	36-55	---	---	15-50	1.20-1.40	0.2-2	0.12-0.16	3.0-5.9	0.0-0.5	.28	.28			
	55-62	---	---	---	---	0.001-0.06	---	---	---	---	---			

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Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
EnB:														
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Herndon	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---	---	---	---	---	---	---
EnC:														
Enott	0-12	---	---	7-27	1.25-1.45	0.6-2	0.15-0.20	0.0-2.9	0.5-2.0	.32	.32	4	5	56
	12-36	---	---	20-59	1.30-1.50	0.6-2	0.12-0.15	6.0-8.9	0.0-0.5	.24	.24			
	36-55	---	---	15-50	1.20-1.40	0.2-2	0.12-0.16	3.0-5.9	0.0-0.5	.28	.28			
	55-62	---	---	---	---	0.001-0.06	---	---	---	---	---			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tatum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GeB:														
Georgeville	0-14	---	---	15-35	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.49	.49	4	6	48
	14-20	---	---	27-35	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.32	.32			
	20-57	---	---	35-65	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.28	.28			
	57-62	---	---	15-40	1.20-1.40	0.6-2	0.05-0.10	0.0-2.9	0.0-0.5	.32	.32			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
GeB:														
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Herndon	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GeC:														
Georgeville	0-14	---	---	15-35	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.49	.49	4	6	48
	14-20	---	---	27-35	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.32	.32			
	20-57	---	---	35-65	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.28	.28			
	57-62	---	---	15-40	1.20-1.40	0.6-2	0.05-0.10	0.0-2.9	0.0-0.5	.32	.32			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Herndon	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tatum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GgB:														
Georgeville	0-7	---	---	27-35	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.49	.49	4	6	48
	7-15	---	---	27-35	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.32	.32			
	15-52	---	---	35-65	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.28	.28			
	52-62	---	---	15-40	1.20-1.40	0.6-2	0.05-0.10	0.0-2.9	0.0-0.5	.32	.32			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Herndon	---	---	---	---	---	---	---	---	---	---	---	---	---	---



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Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
GgC:														
Georgeville	0-7	---	---	27-35	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.49	.49	4	6	48
	7-15	---	---	27-35	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.32	.32			
	15-52	---	---	35-65	1.20-1.40	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.28	.28			
	52-62	---	---	15-40	1.20-1.40	0.6-2	0.05-0.10	0.0-2.9	0.0-0.5	.32	.32			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Herndon	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GoC:														
Goldston	0-1	---	---	5-27	1.40-1.60	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.15	.32	1	8	0
	1-15	---	---	5-27	1.40-1.60	2-6	0.06-0.12	0.0-2.9	0.0-0.5	.05	.32			
	15-41	---	---	---	---	0.001-0.06	---	---	---	---	---			
	41-44	---	---	---	---	0.001-0.03	---	---	---	---	---			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tatum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GuC:														
Gullied land	0-60	---	---	---	---	0.6-6	---	---	---	---	---	---	---	0

**Table J1b. - Physical Properties of the Soils - Continued**

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
GuC:														
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Georgeville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Herndon	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tatum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HaB:														
Helena	0-12	---	---	5-20	1.58-1.62	2-6	0.10-0.12	0.0-2.9	0.5-2.0	.24	.24	4	5	56
	12-42	---	---	35-60	1.44-1.55	0.06-0.2	0.13-0.15	6.0-8.9	0.0-0.5	.28	.28			
	42-62	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enott	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**Table J1b. - Physical Properties of the Soils - Continued**

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
HaB:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HbC:														
Helena	0-12	---	---	5-20	1.58-1.62	2-6	0.10-0.12	0.0-2.9	0.5-2.0	.24	.24	4	5	56
	12-42	---	---	35-60	1.44-1.55	0.06-0.2	0.13-0.15	6.0-8.9	0.0-0.5	.28	.28			
	42-62	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Worsham	0-12	---	---	10-20	1.25-1.55	2-6	0.10-0.15	0.0-2.9	1.0-2.0	.28	.28	4	3	86
	12-26	---	---	30-55	1.35-1.65	0.001-0.06	0.10-0.16	3.0-5.9	0.0-0.5	.28	.28			
	26-62	---	---	10-40	1.20-1.50	0.2-0.6	0.08-0.19	3.0-5.9	0.0-0.5	.28	.28			
Enott	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HeB:														
Herndon	0-11	---	---	5-27	1.20-1.40	0.6-2	0.14-0.20	0.0-2.9	0.5-1.0	.43	.43	5	5	56
	11-41	---	---	35-60	1.30-1.60	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.28	.28			
	41-62	---	---	10-27	1.20-1.40	0.6-2	0.05-0.08	0.0-2.9	0.0-0.5	.32	.37			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---

# Table J1b. - Physical Properties of the Soils - Continued

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
HeB:														
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enott	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Georgeville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HeC:														
Herndon	0-11	---	---	5-27	1.20-1.40	0.6-2	0.14-0.20	0.0-2.9	0.5-1.0	.43	.43	5	5	56
	11-41	---	---	35-60	1.30-1.60	0.6-2	0.13-0.18	0.0-2.9	0.0-0.5	.28	.28			
	41-62	---	---	10-27	1.20-1.40	0.6-2	0.05-0.08	0.0-2.9	0.0-0.5	.32	.37			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Georgeville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---

HwB:

**Table J1b. - Physical Properties of the Soils - Continued**

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
HwB:														
Hiwassee	0-12	---	---	10-35	1.35-1.55	0.6-2	0.12-0.15	0.0-2.9	0.5-2.0	.20	.24	5	6	48
	12-67	---	---	35-60	1.30-1.45	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.17	.20			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IrB:														
Iredell	0-12	---	---	15-35	1.20-1.40	0.6-2	0.14-0.17	0.0-2.9	0.5-2.0	.32	.32	3	6	48
	12-35	---	---	40-60	1.20-1.45	0.06-0.2	0.16-0.22	9.0-25.0	0.0-0.5	.20	.20			
	35-40	---	---	15-35	1.30-1.60	0.06-0.2	0.14-0.18	6.0-8.9	0.0-0.5	.28	.28			
	40-62	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Enott	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IrC:														
Iredell	0-12	---	---	15-35	1.20-1.40	0.6-2	0.14-0.17	0.0-2.9	0.5-2.0	.32	.32	3	6	48
	12-35	---	---	40-60	1.20-1.45	0.06-0.2	0.16-0.22	9.0-25.0	0.0-0.5	.20	.20			
	35-40	---	---	15-35	1.30-1.60	0.06-0.2	0.14-0.18	6.0-8.9	0.0-0.5	.28	.28			
	40-62	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enott	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**Table J1b. - Physical Properties of the Soils - Continued**

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
<b>IrC:</b>														
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>LoB:</b>														
Louisburg	0-15	---	---	5-15	1.25-1.45	6-20	0.09-0.12	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	15-29	---	---	7-18	1.30-1.50	6-20	0.10-0.12	0.0-2.9	0.0-0.5	.24	.24			
	29-48	---	---	---	---	0.001-0.06	---	---	---	---	---			
shallow soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>LoC:</b>														
Louisburg	0-15	---	---	5-15	1.25-1.45	6-20	0.09-0.12	0.0-2.9	0.5-2.0	.24	.24	3	3	86
	15-29	---	---	7-18	1.30-1.50	6-20	0.10-0.12	0.0-2.9	0.0-0.5	.24	.24			
	29-62	---	---	---	---	0.001-0.06	---	---	---	---	---			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enott	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**Table J1b. - Physical Properties of the Soils - Continued**

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
LoC:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Pacolet	---	---	---	---	---	---	---	---	---	---	---	---	---	---
shallow soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MdB:														
Masada	0-8	---	---	10-27	1.20-1.50	2-6	0.10-0.17	0.0-2.9	1.0-3.0	.32	.32	4	3	86
	8-41	---	---	27-55	1.30-1.60	0.6-2	0.10-0.17	3.0-5.9	0.0-0.5	.24	.24			
	41-62	---	---	20-40	1.30-1.60	0.6-2	0.10-0.17	3.0-5.9	0.0-0.5	.24	.24			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hiwassee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MtB:														
Mattaponi	0-16	---	---	5-18	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	16-58	---	---	35-65	1.40-1.65	0.2-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.28	.28			
	58-62	---	---	0-60	1.25-1.60	0.2-20	0.05-0.20	0.0-2.9	0.0-0.5	.20	.20			
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---

# Table J1b. - Physical Properties of the Soils - Continued

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
MtB:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MtC:														
Mattaponi	0-16	---	---	5-18	1.30-1.55	0.6-6	0.08-0.15	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	16-58	---	---	35-65	1.40-1.65	0.2-0.6	0.12-0.18	3.0-5.9	0.0-0.5	.28	.28			
	58-62	---	---	0-60	1.25-1.60	0.2-20	0.05-0.20	0.0-2.9	0.0-0.5	.20	.20			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
NaD:														
Nason	0-13	---	---	10-27	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.43	.43	4	5	56
	13-25	---	---	35-50	1.30-1.60	0.6-2	0.12-0.19	3.0-5.9	0.0-0.5	.28	.28			
	25-58	---	---	10-25	1.25-1.55	0.6-2	0.15-0.20	0.0-2.9	0.0-0.5	.28	.32			
	58-62	---	---	---	---	0.001-0.06	---	---	---	---	---			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Georgeville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Herndon	---	---	---	---	---	---	---	---	---	---	---	---	---	---



**Table J1b. - Physical Properties of the Soils - Continued**

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
NaD:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Tatum	---	---	---	---	---	---	---	---	---	---	---	---	---	---
OaB:														
Orange	0-15	---	---	10-27	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.28	.28	3	5	56
	15-41	---	---	35-60	1.35-1.65	0.06-0.2	0.10-0.19	6.0-8.9	0.0-0.5	.28	.32			
	41-48	---	---	---	---	0.001-0.06	---	---	---	---	---			
	48-50	---	---	---	---	0.001-0.06	---	---	---	---	---			
Enott	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Herndon	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
OaC:														
Orange	0-15	---	---	10-27	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9	1.0-3.0	.28	.28	3	5	56
	15-41	---	---	35-60	1.35-1.65	0.06-0.2	0.10-0.19	6.0-8.9	0.0-0.5	.28	.32			
	41-48	---	---	---	---	0.001-0.06	---	---	---	---	---			
	48-50	---	---	---	---	0.001-0.06	---	---	---	---	---			
Enott	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PaB:														
Pacolet	0-9	---	---	8-20	1.00-1.50	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.20	.28	3	3	86
	9-24	---	---	35-65	1.30-1.50	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	24-36	---	---	15-30	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
	36-62	---	---	10-25	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			

**Table J1b. - Physical Properties of the Soils - Continued**

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
PaB:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PaC:														
Pacolet	0-9	---	---	8-20	1.00-1.50	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.20	.20	3	3	86
	9-24	---	---	35-65	1.30-1.50	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	24-36	---	---	15-30	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
	36-62	---	---	10-25	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PaD:														
Pacolet	0-9	---	---	8-20	1.00-1.50	2-6	0.08-0.12	0.0-2.9	0.5-2.0	.20	.20	3	3	86
	9-24	---	---	35-65	1.30-1.50	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	24-36	---	---	15-30	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
	36-62	---	---	10-25	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Enott	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**Table J1b. - Physical Properties of the Soils - Continued**

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
PaD:	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PcD:														
Pacolet	0-9	---	---	20-35	1.30-1.50	0.6-2	0.10-0.14	0.0-2.9	0.5-1.0	.24	.24	2	5	56
	9-22	---	---	35-65	1.30-1.50	0.6-2	0.12-0.15	0.0-2.9	0.0-0.5	.28	.28			
	22-30	---	---	15-30	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
	30-62	---	---	10-25	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TaD:														
Tatum	0-4	---	---	12-27	1.10-1.40	0.6-2	0.16-0.20	0.0-2.9	0.5-2.0	.37	.37	4	3	86
	4-48	---	---	34-60	1.40-1.60	0.6-2	0.10-0.19	3.0-5.9	0.0-0.5	.28	.28			
	48-62	---	---	---	---	0.001-0.06	---	---	---	---	---			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Georgeville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Goldston	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Herndon	---	---	---	---	---	---	---	---	---	---	---	---	---	---

# Table J1b. - Physical Properties of the Soils - Continued

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
TaD:														
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TcD:														
Tatum	0-7	---	---	27-40	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	0.0-2.0	.32	.32	3	6	48
	7-44	---	---	34-60	1.40-1.60	0.6-2	0.10-0.19	3.0-5.9	0.0-0.5	.28	.28			
	44-62	---	---	---	---	0.001-0.06	---	---	---	---	---			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nason	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ToA:														
Toccoa	0-12	---	---	2-15	1.40-1.55	2-6	0.09-0.12	0.0-2.9	1.0-2.0	.24	.28	4	3	86
	12-62	---	---	2-19	1.40-1.50	2-6	0.09-0.12	0.0-2.9	0.0-0.5	.20	.24			
Buncombe	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Congaree	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W:														
Water	---	---	---	---	---	---	---	---	---	---	---	---	---	---
WdD:														

**Table J1b. - Physical Properties of the Soils - Continued**

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
WdD:														
Wedowee	0-8	---	---	5-20	1.25-1.60	2-6	0.10-0.18	0.0-2.9	0.5-3.0	.24	.24	3	3	86
	8-14	---	---	14-30	1.30-1.55	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.28	.28			
	14-32	---	---	35-45	1.30-1.50	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.28	.28			
	32-62	---	---	15-30	1.20-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0-0.5	.28	.28			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Louisburg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mattaponi	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---	---	---	---	---	---	---
WeA:														
Wehadkee	0-42	---	---	6-40	1.35-1.50	0.6-2	0.15-0.24	0.0-2.9	2.0-5.0	.32	.32	5	6	48
	42-54	---	---	18-35	1.30-1.50	0.6-2	0.16-0.20	0.0-2.9	0.3-2.0	.32	.32			
	54-62	---	---	0-40	1.30-1.60	0.6-20	0.05-0.16	0.0-2.9	0.0-0.5	.10	.24			
Altavista	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Buncombe	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Congaree	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toccoa	---	---	---	---	---	---	---	---	---	---	---	---	---	---

WoB:

**Table J1b. - Physical Properties of the Soils - Continued**

Mecklenburg County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi- bility	Organic Matter	Erosion Factors			Wind Erodi- bility Group	Wind Erodi- bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
WoB:														
Worsham	0-8	---	---	10-20	1.25-1.55	2-6	0.10-0.15	0.0-2.9	1.0-2.0	.28	.28	4	3	86
	8-50	---	---	30-55	1.35-1.65	0.001-0.06	0.10-0.16	3.0-5.9	0.0-0.5	.28	.28			
	50-62	---	---	10-40	1.20-1.50	0.2-0.6	0.08-0.19	3.0-5.9	0.0-0.5	.28	.28			
Abell	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---	---	---	---	---	---	---